### IAP6 Rec'd PCT/PTO 16 FEB 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMER CE

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#### ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 61947(51588) DESIGNATED/ELECTED OFFICE (DO/EO/US) see 37 CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE DATE CLAIMED PRIORITY PCT/US2004/026848 18 August 2004 18 August 2003 TITLE OF INVENTION NANOTOPOGRAPHIC COMPOSITIONS AND METHODS FOR CELLULAR ORGANIZATION IN TISSUE **ENGINEERED STRUCTURES** APPLICANT(S) FOR DO/EO/US Jeffrey T. Borenstein et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9.**k** An unexecuted oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10 An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. Х A preliminary amendment. 14. An Application Data Sheet under 37 CFR 1,76. 15. A substitute specification. 16. A power of attorney and/or change of address letter. 17 A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

## 1AP20 R33'd FGT/FTO 16 FEB 2006

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U.S. APPGCATION NO. TRANSPORTS STORY					ATTORNEY'S DOCKET NUMBER 61947(51588)				
20. x Other items or information: Return Receipt Postcard									
	owing fees hav	e been submitt	ed			CALCULATION	S PTO USEONLY		
21. x Basic	c national fee (	37 CFR 1.492(a	a))	••••	\$300	\$ 300.0	00		
22. x Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)						\$ 200.0	00		
All other situation					\$200				
1	ch fee (37 CFR	` ''	l madiminan, avamination		and accordance to the				
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			e international application			\$ 500.0	00		
International Sea	rch Report prepar	ed by an ISA other	r than the US and provide	d to	the Office or	000.0			
	TOTAL OF 21, 2	2 and 23 =				\$ 1,000.0	00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
Total Sheets	Extra Sheets		additional 50 or fraction up to a whole number)		RATE				
48 - 100 =	/50 =				x \$250.00	\$			
			e, examination fee, or the (37 CFR 1.492(h)).	oati	n or declaration	\$			
CLAIMS	NU.	MBER FILED	NUMBER EXTRA		RATE				
Total clair	ns	24 - 20 =	4 x		50.00	200.00			
Independent		3 - 3 =		x		0.0	00		
MULTIPLE DEP	ENDENT CLAIM(	S) (if applicable)		+					
			TOTAL OF A	BO	/E CALCULATIONS =	\$ 1,200.0	00		
X Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.						600.0	00		
					SUBTOTAL =	\$ 600.00			
1	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					\$			
TOTAL NATIONAL FEE =					\$ 600.00				
	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$			
TOTAL FEES ENCLOSED =					\$	600.00			
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PTO-1390 (Rev. 07-2005)
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Application No. (if known): Not Yet Assigned

Attorney Docket No.: 61947(51588)

#### Certificate of Express Mailing Under 37 CFR 1.10

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MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on _	16 February 2006
	Date

Dewseko	icinshi
Signa	ture
Denise K	acinski
Typed or printed name of p	person signing Certificate
	(203) 975-7505
Registration Number, if applicable	Telephone Number

Note:

Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal (3 pages)

Copy of the International application

(Unexecuted) Oath or declaration of the inventor(s)

Transmittal Letter to the United States Designated-Elected Office

Charge \$600.00 to deposit account 04-1105.

# IAP20 Rec'd FCT/TTO 16 FEB 2006

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it displays a valid OMB control purple.

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL				A P 41 A1		plete if Know				
				Application Nur		Not Yet Assigned				
				Filing Date		effrey T. Borenstein				
For FY 2005				First Named Inv Examiner Name		Not Yet Assigned				
X Applicant claims small entity status. See 37 CFR 1.27				Art Unit		V/A				
TOTAL AMOUNT OF PAY	MENT	(\$) 600.00	,	Attorney Docket	No. 6	61947(51588)				
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FEE CALCULATION										
1. BASIC FILING, SEARCH	•	MINATION FE IG FEES		DOU EEEO	EVARAIN	ATION FFF				
	FILIN	Small Entity	SEF	RCH FEES Small Entity	EXAMIN	ATION FEES Small Entity				
Application Type	Fee (\$)	Fee (\$)	Fee (\$)		Fee (\$)	Fee (\$)	Fees P	aid (\$)		
Utility	300	150	500	250	200	100		<del></del>		
Design	200	100	100	50	130	65				
Plant	200	100	300	150	160	80				
Reissue	300	150	500	250	600	300				
Provisional	200	100	0	. 0	0	0				
2. EXCESS CLAIM FEES							Fee (\$)	Small Entity Fee (\$)		
Fee Description Each claim over 20 (includ	ing Reissues	)					50	25		
Each independent claim ov	•	•					200	100		
Multiple dependent claims	•	,					360	180		
Total Claims Extra	Claims	Fee (\$)	Fee P	aid (\$)	Mı	ultiple Depend	Itiple Dependent Claims			
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Indep. Claims Extra  3 - 3 =	Claims 1	Fee (\$)	Fee P	aid (\$)						
3. APPLICATION SIZE FEE										
If the specification and dra		ed 100 sheets	of paper (	excluding electr	ronically file	ed sequence or	computer			
listings under 37 CFR					for small en	tity) for each a	dditional 50	)		
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<u>Total Sheets</u> <u>E</u> 48 - 100 =	xtra Sheets	Number /50		dditional 50 or fra			<u>Fee (</u>	Paid (\$)		
4. OTHER FEE(S)		/50		(round up to a wh	ole Humber)	×		Paid (\$)		
• •	on. \$130 fe	e (no small er	ntity disco	ount)			1 003	r aid (V)		
Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): 2631 Basic National Stage fee 150.00										
2633 National Stage Examination Fee - all other 100.00										
2632 National Stage Search Fee - all other situations 250.00 2615 National Stage claims - extra total (over twenty) 100.00										
CUDMITTED BY			7)							
SUBMITTED BY Signature	id al	018	4	Registration No.	47,647	Telephone	(203) 97	5-7505		
Name (Print/Type) Marina H	eusch	<u> </u>		(Attomey/Agent)	,	+	February 1			
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV749290320US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.										
Dated: February 16, 2006 Signature: Deut Sex QU (Denise Kacinski)										